



# PUBLIC SERVICES CENTER ANNUAL REPORT

*"To create community through responsive leadership and services for the citizens and visitors of the Apple Capital of the World."*

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**INTRODUCTION . . .** The staff of the Public Works and Community Development Departments are pleased to present the 2011 Annual Report. This year's report not only focuses on the accomplishments of the year, but also highlights the value of the infrastructure owned by the community of Wenatchee. In developing this report, staff has found it to be very interesting to realize just how much money it would take to build the City that we know and live in today from scratch. It just so happens that our Korean Sister City, Naju, is doing just that. They are building an entirely new City with an expected population of 50,000 people.

As the City looks forward in developing sustainable practices, it is important to realize the value of each component of the citizen owned assets. Look for the **"Did you know?"** statements and enjoy reading about your City!



*View of our City from Saddlerock*

**EMPLOYEE MESSAGE . . .** The majority of our daily work is routine maintenance and behind the scenes activities. If you have clean water to make your morning coffee and the traffic is flowing smoothly on your way to work you probably will not even think about what all went into making that possible. Our job is to maintain all of the infrastructure that goes into making the City of Wenatchee a great place to live. In these tough budget times we are trying to provide the best level of service possible using the resources that we have.

**Did you know...** that the estimated value of the City maintained public infrastructure is **\$783 Million**. This includes the water pipes and pumps, water reservoirs, sewer pipes and pumps, wastewater treatment plant, stormwater pipes, streets, signals, city buildings, cemetery, and City parks. As a comparison, the assessed value of all the privately owned property in the City of Wenatchee totals **\$2.2 Billion**. Please note that neither of these values include other publicly owned facilities or infrastructure which includes all of the schools in the Wenatchee School District and Chelan County Public Utility District's power lines, fiber optic lines, power substations, domestic water infrastructure and the waterfront parks.

## BUILDING, PLANNING, CODE ENFORCEMENT ...

In Community Development there are two divisions: Planning and Code Enforcement.

Code Enforcement, also known as the Building Department, is responsible for receiving plans and applications, providing a complete plan review, issuing permits, and field inspections from new construction to additions and alterations on existing buildings. These activities ensure compliance with state mandated building codes which protect home and business owners. This department is also responsible for code enforcement programs which preserve and enhance the quality of our existing neighborhoods.

Planning consists of 3 planners who are responsible for development reviews, comprehensive plan amendments, re-zoning, subdivisions, and special studies. This team ensures that quality development takes place in a timely and lawful manner consistent with development regulations. Coordination of housing and neighborhood revitalization programs and administration of related state and federal grant programs are also key components.



*Kim Schooley, Mike Sines, Stacey Burts, Maria Reyes, Chris Hanson, Brian Frampton, Cliff Burdick, Dave Nichols, Monica Libbey, John Ajax*

### OUTREACH CLEANUP CONTINUED

As part of the ongoing code enforcement emphasis started in the fall of 2010, brochures, letters, and a Property Maintenance guide were created. This information was distributed in late February/early March to the current residents of the Community Development Block Grant (CDBG) area. The information notified the residents of what was considered violations of city codes and what services would be offered during the code enforcement emphasis.



On April 2, 2011 the City worked with the Chelan County Solid Waste Department to conduct a cleanup event. It was a huge success and resulted in the collection of 1,850 scrap tires, the removal of 41.6 tons of scrap metal from alleys, yards, empty lots, and a truck load of televisions, computer monitors and towers. After the city-wide cleanup event, re-inspections revealed that the informational letters mailed earlier in the spring yielded an almost 50% reduction in violations!

Building on this success, the City is working with Waste Management and with their cooperation have created "dump" tickets that, in addition to their four free dumps of household garbage, enable citizens to take a pickup load of household bulky items to the transfer station at no extra charge. To date, 68 tickets have been given out to residents.



*City employees helping residents unload their junk*

#### 2011 Annual Permit Totals

<b>Boundary Line</b>	<b>9</b>
<b>Commercial</b>	<b>91</b>
<b>Comp Plan</b>	<b>2</b>
<b>Conditional Use</b>	<b>2</b>
<b>Historic Preservation</b>	<b>22</b>
<b>Other Permits</b>	<b>131</b>
<b>Plumbing &amp; Mechanical</b>	<b>181</b>
<b>Residential</b>	<b>188</b>
<b>Short Plat</b>	<b>4</b>
<b>Subdivision</b>	<b>3</b>
<b>TOTAL PERMITS:</b>	<b>633</b>

**Did you know** this amounts to a construction value totaling **\$31,586,800**



### Some highlights of this year's accomplishments are:

- Broadview Secondary Access Plan Resolution
- Renewing our Community - Code Enforcement outreach in South Wenatchee
- Grandview Historic District Neighborhood Guide for Repair, Maintenance & Permitting and the hosting of an ice cream social
- Major development projects permitted: WVC Music & Arts building, Parkside improvements, Columbia Valley Community Health expansion, WVMC new radiology at CWH
- Other noteworthy development projects: Saddlerock brewery, Columbia Valley brewery, Saddlerock East II subdivision completion, Hospitality Heights project
- Zoning code amendments: chickens/farm animals, signs chapter user-friendly chart, alternative parking analysis, shared parking provisions, electric vehicle charging stations, wineries/breweries, multi-family parking and open space standards, and cottage housing standards
- Integrated Planning Grant for the former Public Works site
- Annexations: Jefferson, Maple & Western, South Wenatchee Ave, and Squilchuck area
- Shoreline Master Program: \$8,000 reimbursement from county; initial draft of Cumulative Impacts Assessment; regional process completion
- Review of permit tracking system and joining of regional effort with Chelan & Douglas counties
- New records management including file checklists and archiving processes
- Administration of new State Housing and Essential Needs Grant on behalf of Chelan and Douglas counties
- CDBG/Homeless Grantees:
  - Volunteer Attorney Services
  - Wenatchee School District
  - Community Action Council
  - WVC WorkFirst Program
  - Chelan-Douglas Literacy Council
  - Chelan County Regional Justice Center
  - Hospitality House
  - Lighthouse Christian Ministries
  - Solomon's Porch
  - Women's Resource Center
  - Habitat for Humanity
  - Columbia Valley Housing Association



*Artistic rendering of the new WVC Music and Arts building*

### Looking forward to 2012:

- Upper Fifth Street Circulation Process
- South Wenatchee visioning (American Institute of Architects - Sustainable Design Assessment Team grant outreach)
- Historic Preservation Public Workshops
- Continue Grandview Historic District code review
- New Wenatchee Shoreline Master program
- Continue South Wenatchee Code Enforcement efforts
- Pybus Market environmental review & Economic Development Initiative grant administration
- Update Consolidated plan for CDBG program
- Update Homeless plan for Chelan & Douglas counties
- Local Revitalization financing
- City Public Works pit property development feasibility and marketing
- Hospitality House property transfer
- Fifth Street Corridor Safety improvements near WVC
- Orondo Circulation improvement plan
- New state Consolidated Homeless Grant administration on behalf of Chelan and Douglas counties
- Parkside area sidewalks construction
- Economic barriers with NCW Economic Development District
- Development code amendments
- Comprehensive plan amendments for updated Bicycle and Parks plans

## PARK MAINTENANCE & CEMETERY ...

The Park Maintenance Division has the responsibility for the operation and maintenance of the City's park system. This includes weekly mowing the parks, maintaining the irrigation systems, cleaning the irrigation filters, weeding, pruning and caring for the landscaping and trees. Caring for the parks includes daily garbage removal, opening and cleaning the public restrooms at the parks and removing graffiti. During operation, the splash pad at Rotary Park also requires daily maintenance.

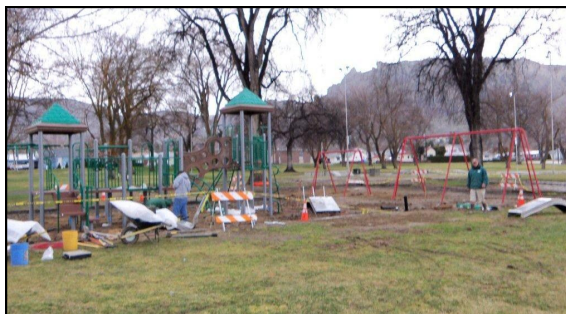
In addition to the 13 parks they also maintain the landscaping around the City's 4 water reservoirs and at 7 City facilities. Every spring the play equipment at the parks get additional ground covering to ensure safety standards are met. The parks staff assists the cemetery staff with the maintenance and care of the cemetery. The parks crew also maintains the streetscape along Columbia Street, Walla Walla Avenue, Riverside Drive and Wenatchee Avenue. For public safety, pest control on the over 300 trees along the downtown arterials is done with an injection program instead of spraying. Over 100 floral baskets are planted and maintained for the downtown area each year.



Back: Ron Marks, Dan Patrick, Axel Garcia, Jeff Pulver, Tom Lewis  
Scott Wilkerson, Rob Richards, Lorinda Davis, Dave Hendrickson



*A new playground  
was installed at  
Pioneer Park.*



In the winter the Parks Maintenance Division is responsible for snow and ice control for the walkways within the parks as well as all of the sidewalks that adjoin City property. The parks crew also clears the snow and ice at all of the City's buildings and the downtown crosswalks.

### **Did you know...**

*the City of Wenatchee has over 1,000 trees that are pruned and maintained by the Parks Crew.*

*The Parks Crew mows over 65 acres of grass weekly.*

**Current replacement value  
for the all the city parks  
and the cemetery :**

**\$61,935,600**

### **2012 Projects:**

- Paint all park bathrooms.
- Thatch grass around upright stones at the cemetery.
- Re-establish our tree injection program.
- Install more drains for Rotary Park splash pad.
- Remove hazardous trees from parks & cemetery.
- Landscape entrances to Lincoln Park.

The cemetery staff is responsible for the sales of burial plots and cremation niches, sales of burial containers and memorial markers, coordination of burial arrangements with local funeral directors and grave site opening and closing services. There are currently over 18,500 interred at the cemetery and the facility has been averaging nearly 200 services per year. The cemetery staff is also responsible for the grounds maintenance of the entire 34 acre site, as well as the Home of Peace mausoleum on Miller Street.



## FLEET & FACILITY ...

The Fleet and Facilities Division is the internal support for the City. This division is crucial as it keeps the buildings and equipment operating smoothly allowing all the employees to do their jobs. Three mechanics, three facility maintenance technicians, an administrative specialist, and supervisor manage 49 buildings and over 200 pieces of equipment. This crew works remotely and independently on a moment's notice to fix any need we might have, even on call for emergencies 24 hours a day, 7 days a week.

The mechanics are unique. Together they have a combined \$120,000 invested in their own tools that they are required to have to perform their job. They use those tools to fix all types of equipment such as passenger vehicles, dump trucks, graders, fire trucks, police cars, etc. including hand tools like weed eaters, push mowers and all the other variety needed to do our



Ramiro Lopez, Jason Munson, Mike Merz, Don Bitterman, Lynn Kirk, Kevin Patrick, Alisa Clardy, Jeff Walsh

work here at Public Works.



A trackhoe in for repair

The facility maintenance technicians work out of the Historic Police Station and perform plumbing, lighting, remodels, and general facility repairs. The HVAC maintenance technicians work out of the Wenatchee Convention Center and they perform mostly HVAC and electrical repair along with supporting general maintenance of the Convention Center buildings. With 284,792 sq ft of buildings to maintain city wide, combined with mostly aging buildings, this crew stays very busy just keeping everything running smoothly.



Replacing air filters in the mechanic shop

### Fleet, Facility Maintenance and Convention Center - Accomplishments for 2011:

- Installed infrastructure for Electric Vehicle Charging Stations at the Wenatchee Convention Center.
- Worked with McKinstry Energy Services to perform energy audits at the Wenatchee Convention Center and Wenatchee City Hall. Identified several facility improvements which will contribute to energy savings at these facilities.
- Completed the backup generator installation and electrical load balancing of the IS data center.
- Continued progress on meeting ADA accessibility goals by installing additional signage and barrier free routes at several City facilities.
- Constructed offices and work areas at the Public Services Center (PSC) to allow the movement of Recreation staff to the Public Works section of the building and minor remodel to the former Recreation space for the Wenatchee Valley Transportation Council.
- Rebuilt transmission in the E-One/Mack Fire Pumper.
- Design/built a deicer pre-wet system for pre-wetting solid deicing chemicals for the Street Maintenance Division.

**Did you know...** the current replacement value for the fleet and all city property and buildings (excluding utility structures): **\$74,782,000**

## STREETS AND LIGHTING ...

The City of Wenatchee street system handles well over 150,000 vehicle trips each day and while a properly operating street goes relatively un-noticed, a poorly functioning street is very concerning to the public. Wenatchee streets impact our local economy and the livability of our community and to maintain our local streets requires public investment. Public investment in streets can be broken down into three categories; preservation, maintenance and capital improvements.

### Routine maintenance includes:

- Sweeping
- Snow plowing
- De-icing
- Painting pavement markings
- Pothole repairs
- Paving and crack sealing
- Pour sidewalk, curb & gutter
- Maintain stamped concrete crosswalks
- Sign maintenance
- Street light maintenance
- Intersection signal maintenance



James Frost, Todd Davis, Bill Schneider, Terry Mitchell,  
Larry Johnson, Charlie Pearsall, Troy Owens

*Employee safety is a very important part of this job. The crew's work requires them to be either on the side of the road or out in traffic. Every job requires additional equipment just for safety, such as cones, barricades, and signs. When working in the road, traffic control is planned out ahead of time to ensure personal safety as well as smooth traffic flow.*



### Skin Patching on Miller Street

Many of the City's main arterial streets were repaved in 1998 or 1999. The life cycle of these streets range from 10 to 20 years depending on traffic volumes and the number of trucks that utilize the street. One of the major arterials in the City of Wenatchee is Miller Street, between Albertsons and the High School. This street was starting to show significant signs of deterioration with rutting and cracking as the street reached the end of its useful life.

Last summer, the street crew took on a skin patching project between Fifth Street and Red Apple Road in an effort to seal the cracks and fill in the ruts. Skin patching with asphalt filled in ruts nearly 2 inches deep. Given the lack of funding, this method of street preservation was implemented as a bandage in an effort to extend the life of the road.

Additionally, the Engineering Department contracted with a local asphalt company to grind out and repave the inside lane on Miller Street from Fifth Street to Springwater. More severe rutting was occurring and potholes were beginning to form in this lane of Miller Street. Grinding the existing asphalt and repaving with new is a standard practice for preserving our streets. Only repaving the worst lanes helps keep the road from falling apart beyond the ability to repair, and it is cheaper than a total overlay.

This year the City invested approximately \$130,000 into Miller Street in hopes to extend its life for 5 additional years. This is in comparison to \$680,000 that it would have cost to do a complete overlay.

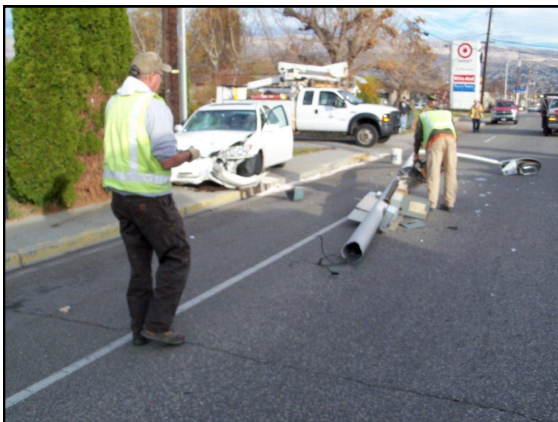
Road preservation work  
on Miller Street.





**Street Division Accomplishments for 2011:**

- Swept 200+ miles of roads to remove sand
- Painted 425,000 linear feet of pavement markings
- Cleaned areas of the city that were impacted by the Canyon floods
- Cleaned Canyon Drains
- Installed storm pipe and manholes behind Newberry School to help drainage from canyon drain
- Replaced various catch basins around the City with new style for more capacity
- Repaired hundreds of potholes
- Asphalted Miller Street from 5<sup>th</sup> street to Red Apple to help preserve the deteriorating asphalt that existed
- Asphalted utility trenches for the Water Division
- Set up numerous road closures for the Apple Blossom Festival, in addition to other parades
- Filled the edge of South Mission street in preparation for new sidewalk at Hospitality House property
- Cleaned City pit site in East Wenatchee
- Hauled ballast from pit site to storage yard on South Wenatchee Avenue
- Crack sealed many City streets using 13,000 pounds of crack seal material
- Replaced dozens of sidewalks around the City
- Pulled out sidewalks for home owners replacing hazardous walks
- Picked up leaves from various parts of the City
- Snow plowing and de-icing all City Streets
- Started building Broadview secondary access Road

*Sidewalk replacement**Inspecting a street light that was hit by a car***Did you know** there are:

- Over 262 lane miles of streets
- Over 80 miles of pavement markings
- Over 2,000 street lights
- At least 1,000 "Stop" signs
- A total of nearly 10,000 signs
- Signal systems in 50 intersections

**Current Replacement Value:**  
**\$177,651,000**

The City's lighting technicians maintain the City signals and street lights. There are approximately 2,000 street lamps that must be maintained with nearly 600 lamps being replaced annually. Each year several lamps and poles must be replaced, due to vehicle accidents. Another responsibility is maintaining the signal heads in 50 intersections throughout the City, as well as the complex systems that control the operation and timing of the lights and pedestrian signals.

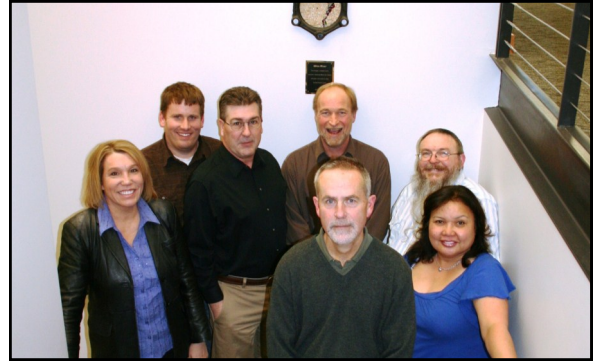
*Will Weems and Andy Greer*

## ENGINEERING ...

The City of Wenatchee Engineering Division designs, inspects and maintains the structural integrity and safety of municipal infrastructure such as streets, sidewalks, water supply networks, sewers, street lighting, public parks, bicycle and walking paths. The Engineering Division consists of personnel who specialize in civil engineering and contract management. Whether a project is designed by a City engineer or an outside firm, all plans for publicly owned infrastructure are reviewed by the engineering division. Once plans are approved, construction can begin. During construction a City engineer inspects the project to ensure that the project is built according to approved drawing specifications and that the infrastructure will function properly.

Capital projects are investments in publicly owned infrastructure. One example of this is the recently completed sewer line re-

placement which parallels the BNSF railroad tracks. Over a mile of 12" concrete sewer line was replaced with 30" concrete sewer line from 5th Street to Miller. Other notable projects from 2011 include a new turn lane and count-down crosswalk signals at the intersection of Chelan Avenue and Orondo Avenue and new sidewalks in the neighborhood adjacent to Lincoln Elementary as part of the *Neighborhood Connections and Safe Routes Project*.



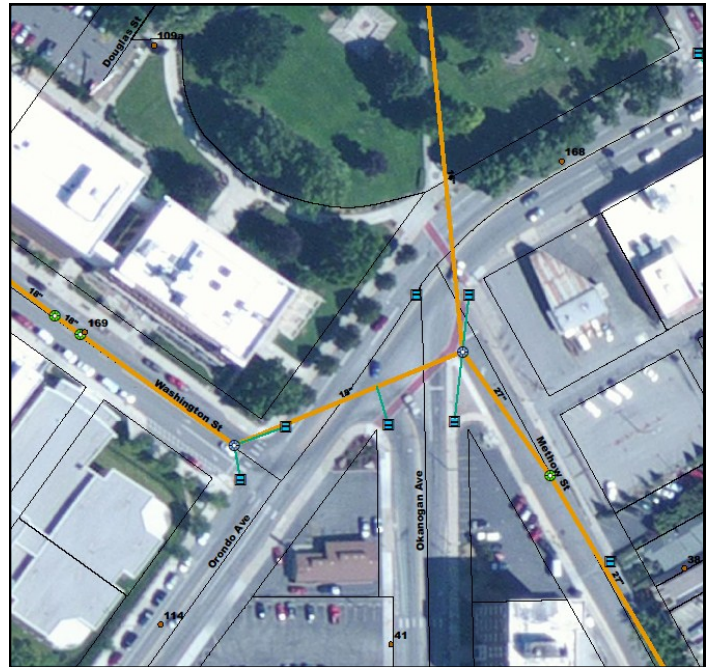
Brenda Guske, Matt Leonard, Ron Hall, Gary Faulkner, Gary Owen, Margie Wilson, Donald Nelson



Sewer line replacement by 5th Street underpass

### Accomplishments for 2011:

- Construction of right turn lane at Chelan Avenue and Orondo Avenue, by Memorial Park
- Construction of Lincoln Elementary Neighborhood Connection Sidewalks
- Construction of new sewer line along the railroad tracks from Miller to 5th Street
- Design of the \$9 million odor/visual upgrades at the Wastewater Treatment Plant
- Designed 5th Street safety improvements from Miller St. to Western Ave.
- Installation of audible pedestrian signals in eight intersections
- Planning and design for South Wenatchee Avenue street widening and right of way acquisition
- Construction of turn lanes at the intersection of Crawford Avenue and Mission Street



Snapshot of the stormdrain system mapped in GIS showing the underground pipes, manholes and catch basins—at the intersection of Orondo, Washington, Methow and Okanogan.

### Did you know ....

- Approximately 130 right of way permits were issued in 2011 for development and utility work totaling over **\$115,000**.
- Applied for **\$5.4 Million** in Road Improvement Projects with \$1.8 Million secured and another \$1.0 Million pending.
- Over **\$10 Million** in construction projects will be administered in 2012.



## Responsibilities of the City Engineering Division:

- Engineering support for all city utilities including streets, domestic water supply, sanitary sewer system and stormwater systems operations
- Capital planning of City infrastructure including streets, stormwater, sanitary sewer, and domestic water
- Design of City-wide capital projects
- Administers street maintenance and pavement preservation programs
- Management of City right-of-ways
- Administers and monitors right-of-way permits
- Mapping of City streets, stormwater system, sanitary sewer system, domestic water distribution and new development
- Maintains and updates records of City infrastructure
- Administers capital facilities construction projects
- Provides and updates City development standards
- Engineering responsibility for traffic control devices and illumination systems
- Grant and loan administration
- Serves as a liaison between citizens, private contractors, other city departments/divisions as well as other agencies
- Provides plan reviews for private development



*Countdown crosswalk signals*



*Construction and finished product of the new right turn lane at the intersection of Chelan and Orondo Avenue.*



## Upcoming Projects for 2012:

- Construction of the Wastewater Treatment Plant Odor and Visual Mitigation Project
- Construction of the South Wenatchee Avenue improvements from Marr to Viewdale to include roadway widening, lighting, sidewalks and improvements to the stormwater, sewer and domestic water systems
- Design and construction of North Wenatchee Avenue street preservation from 5<sup>th</sup> Street to Miller with modifications of the stormwater system and replacement of 22 domestic water stubs
- Construction of the 5<sup>th</sup> Street safety improvements from Miller to Western; to include a center turn lane, crosswalks, a pedestrian crossing and restriping
- Construct and replace the Squilchuck lift station
- Continue design and acquire right of way for the McKittrick/North Wenatchee Avenue project. Includes McKittrick street replacement and intersection stoplights.
- Design and construction of the Worthen/Orondo improvements to include sidewalks and pedestrian railroad crossings
- Design and construction of the Walnut Avenue sewer extension
- Design and construction of the Marr/Marjo streets stormwater extension project
- Construction of the Crawford steel water main replacement to ductile iron

## WASTEWATER TREATMENT PLANT ...

All wastewater that doesn't go into a septic tank flows to the local wastewater treatment plant. The treatment plant is a mechanical and biological system that relies on the expertise of operators to achieve the best conditions for breaking down wastes. These wastes consist not only of household water from sinks, dishwashers, showers, washing machines and toilets but also of wastewater from local restaurants, businesses and industries such as fruit packing plants.

### WWTP Accomplishments for 2011:

- Heat trace/insulating of secondary clarifier spray bars
- Replacement of base pump #3 discharge isolation valve
- Replacement of both primary sludge/scum pumps
- Completion of biosolids equivalency field experiment
- Drying/hauling of bio-solids
- Completion of design and awarding of contract for odor/visual project



*Jim Brumback, Adam Reichert, Katy Landers, Bob Ritter, Dave Johanson, Devlin Walt, Peter Moser, Bob Calhoun*

### Did you know...

- The facility operates 24 hours a day, seven days a week.
- An average of three million gallons of wastewater is treated every day.
- The treatment plant operates under a permit issued by the Washington State Department of Ecology (DOE).
- Approximately 1,500 tests are performed at various points throughout the plant each month.
- Test results are used by the operators to make adjustments to the plant process.
- Tests that fall outside the permit limits are called violations, they are reported to the DOE and, if necessary, corrective action is implemented.
- The Wenatchee treatment plant has recently received recognition and awards for the cleanliness of the water discharged.

**Current Replacement Value of the sewer system  
and the treatment plant:  
\$256,000,000**



*Part of the secondary treatment process.*

*Above: Aeration basins provide an optimal environment to grow microorganisms that treat pollutants in the wastewater.*

*At left: This clarifier serves as a tank for solids to settle. The building (center) is the UV disinfection building.*



*Artistic rendering of the treatment plant after upgrades are complete*

### Treatment Plant Upgrade

The planning and design stages for a project at the wastewater treatment plant that involves very innovative odor control and visual enhancements were completed in 2011. Construction is slated to begin in February 2012 with the objectives of bringing the plant current with new regulatory requirements, reducing odor from treatment processes, providing architectural enhancements and adding landscaping to improve facility appearance. Engineering and construction costs are estimated at \$9 million dollars. The project is funded by a combination of revenue bonds and low interest loans.



**Biosolids:**

- Solids removed from wastewater are treated to become a final product called biosolids.
- Biosolids are hauled to a drying bed facility South of Malaga.
- Biosolids are treated by the dry climate and natural ultraviolet light.
- Biosolids treatment ranges from several months to a year.
- Biosolids from the Wenatchee WWTP are used by farmers as fertilizer for feed crops including triticale, timothy and corn.
- Approximately 420 dry tons of biosolids were produced in 2011. This amounts to about 460 dump truck loads of wet biosolids hauled to the drying bed facility for treatment.
- Approximately 300,000 pounds of pollutants are removed from the wastewater each year prior to being discharged to the River.



*The drying beds south of Malaga serve as a treatment facility for solids removed from the wastewater at the treatment plant.*

## SEWER COLLECTION...

There are approximately 135 miles of sewer mainlines which consist of older clay tile or concrete pipe and newer lines consisting of PVC piping. They are engineered in size to accommodate flow in a given area or future development and vary in size from 8 inches to 48 inches. In order for these sewer mainlines to operate properly, they must be kept clear of obstructions.



This requires a maintenance program that consists of wastewater collection operators operating a camera truck as well as a high pressure jet/vacuum truck. This program allows for the operators to clean all mainlines on a schedule of three year intervals. Operations begin at the south end of

the City and work west to east to bring the cleaning operations down to the lowest part of the City. Some mainlines that collect more grease and debris must be cleaned on a more frequent basis, sometimes several times a year, such as areas that contain groups of restaurants. Located throughout the City are several sewer liftstations which also must be maintained by the collection operators. These liftstations pump water uphill to the system so it allows for the wastewater to flow by gravity.

### Collection Crew Responsibilities

- Jet and clean approximately 45 miles of mainline each year removing grease, debris and tree roots
- Video inspect approximately 50,000 feet of mainline to evaluate for pipe condition
- Maintain sewer trouble spots and clean sewer liftstations quarterly
- Respond to citizen complaints to assess sewer issues
- Clean, video inspect and approve all new sewer and storm mainlines in areas of new construction and development
- Assist other City departments to camera and/or vacuum vaults, water chamber, street digs and repairs, etc.
- Perform billable work for other municipalities, businesses and contractors that don't have necessary equipment

## SOLID WASTE SERVICES ...

Garbage services are provided to the citizens of Wenatchee through a contract with Waste Management, Inc. that runs through the year 2020. Based upon the provisions of the contract, Waste Management collects all solid waste throughout the City for both residential and commercial customers. While Waste Management bills and collects from commercial customers, the City bills and collects from residential customers. Included in the City bill is an administrative fee to recover the cost of maintenance and billing of accounts. The City is then in turn billed by Waste Management for their total residential collections.



## ENVIRONMENTAL ...

The Environmental Division has an important role at the City. This group is responsible for development and implementation of utility programs required by state and federal regulations. An important function is educating our citizens. Some areas include: FOG (fats, oil, and grease) trap maintenance, cross connection control, stormwater discharge compliance, and industrial users inspections. These programs help keep the drinking water safe, the sewer system and treatment plant working efficiently, and eliminate pollutants in our nearby waterways.



Brad VanderVeer, Paula Salter, Julie Croft, Jessica Shaw

### Accomplishments for 2011

- Cross Connection Survey of boilers & cooling towers
- Participated at KPQ Home and Garden Show
- Stormwater Annual Report
- Cross Connection Annual Report
- Construction/Post-Construction Ordinance
- Stormwater Operation & Maintenance Plan
- Cross Connection neighborhood surveys
- Kids In The Creek—Water Quality Station
- Expanding Your Horizons—Water Detective
- Fresh Fruit Packer Monitoring
- Fresh Fruit Packer Inspections
- Stormwater outreach to businesses
- Water Use Efficiency Report
- Consumer Confidence Report
- Local Limits Testing on wastewater influent
- Stormwater GIS Data Collection
- Disinfection By-Product Monitoring
- Lead & Copper sampling in water distribution system
- Underground Injection Well Assessments
- Operated charity car wash kit program
- Provided Canyon Drainage outreach
- Distributed stormwater protection posters to automotive shops

### Did you know in 2011 there were ...

- 406 grease Trap / Interceptor inspections
- 1,932 backflow assemblies in the City's water system
- 400 cross connection surveys performed
- 300 water samples analyzed - all were negative for bacteria
- 28 water concerns investigated
- 50 stormwater complaints investigated
- 12 charity car washes utilized the stormwater car wash kit



Booth at the KPQ Home and Garden Show



Students learning about analyzing water quality in the field at Kids In The Creek

### Educational Outreach

A large part of the Environmental Division's focus is to educate the public on best management practices. Every opportunity is taken to participate in local events where we can spread the news of programs to encourage compliance. The annual KPQ Home and Garden Show is a great time to reach a large group. We talk to customers about keeping grease out of the sewers, conserving water, stormwater pollution prevention, and cross connection hazards.



Another opportunity for education is Kids in the Creek. Over a three day period, approximately 300 high school students from all over the Greater Wenatchee Valley converge at the Entiat Fish Hatchery. Here they learn the impacts of human activities on watersheds. Hands on stations allow the students to participate rather than listen, so they leave with a greater understanding of conservation.



## WATER UTILITY ...

The primary job of the water crew is to provide clean drinking water to our residents 24 hours a day 7 days a week by keeping the City of Wenatchee's water utility operating smoothly. This is accomplished by the following activities: annually inspecting all 7,550 water meter chambers, annually checking and servicing all fire hydrants, maintaining all main-line valves and weekly checking of all pressure reducing valves (PRVs) in the system for leaks and pressure levels. In addition to the maintenance on the system, the water crew fixes emergency water-main leaks, sewer line breaks and breaks in the stormwater system. In 2011 the water crew had 190 requests for locates, over 100 calls to shut water off for repairs, 44 after hours callouts, changed out 50 meters and replaced or reprogrammed 250 of the MXU radios which provide meter readings. Their work is diverse as they also collaborate on additional projects throughout the city as well as assist with plowing the city streets during the winter months.



Back Row: Dave Erickson, Dennis Smith, Kevin Sandland, Terry O'Keefe  
Dean Fleming, Bud Reister, Arthur Martinez

### 2011 Projects:

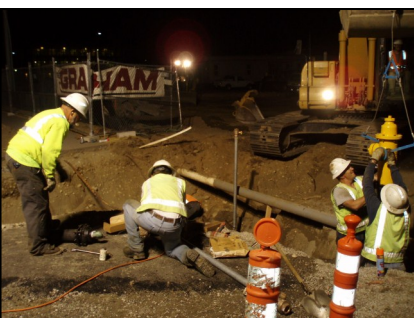
- 630 Fire hydrants received maintenance, 82 needed new parts and 20 were replaced with new fire hydrants
- Repaired the leaking irrigation line at Miller and Wenatchee Avenue
- Re-routed the Squilchuck storm line, included setting a new manhole
- Repaired a broken sewer line at 102 S Wenatchee Avenue
- Tapped the 5th Street water main for the College's new music and arts building. This work was done at night to minimize traffic impacts.
- Built an access road for the bucket truck at the 2MG reservoir
- Welded extensions on the Orondo Street boat launch dock
- Moved water meter chambers and fire hydrants around Lincoln Elementary School
- Spent a week breaking and hauling concrete from the former Public Works site
- Uncovered more than 35 buried water meter lids
- Cemented more than 45 water meter chamber lids down
- Concrete work, included replacing water meter chambers and replacing sidewalks
- Helped with constructing the North Road (Broadview secondary access road) - cut and cleared brush, helped cut the road, hauled rock for the road



Welding work on Orondo Street boat launch



Tapping the 12 inch 5th Street water main and setting a new fire hydrant



**Did you know** the City of Wenatchee water system has 551,000 feet of pipe and out of that, 45,000 feet is older steel pipe. Almost all of the steel pipe is greater than 50 years old.

**Water Utility Replacement Value \$87,200,000**

### 2012 Projects:

- South Wenatchee Avenue steel main line replacement
- North Wenatchee Avenue—replace galvanized water services before the street gets repaved, from 5th Street to Miller
- Move the PRV (Pressure Reducing Valve) from Crawford & Mission to Monitor & Stevens
- Crawford & Mission—extend the water line to the south and reconnect
- Install a water line on Crawford Street between Methow & Okanogan
- Crawford & Cashmere—water line tie-in
- Move hydrants, services and chambers for the George Seller Bridge project

## REGIONAL WATER SYSTEM ...

The Regional Water Supply System serves the City of Wenatchee, the Chelan County PUD and the East Wenatchee Water District. The system is comprised of 4 main pumping wells located by Lincoln Rock State Park, plus 2 backup wells in Wenatchee and 3 backup wells in East Wenatchee. The City of Wenatchee performs the daily operation and maintenance of the system. In addition to the constant computer monitoring, the operators visually check the 4 main pumping wells, the 2 pump stations, the 4 reservoirs and the chlorination system daily. The backup wells are checked weekly and they are flushed monthly. Annually, the pipeline in the Odabashian bridge crossing is visually inspected. The Regional Water system has an operator on call 24 hours a day 7 days a week, to ensure all residents in the Wenatchee Valley have an adequate supply of safe drinking water.



Mike Cockrum & Tony Scherting

### 2011 Projects:

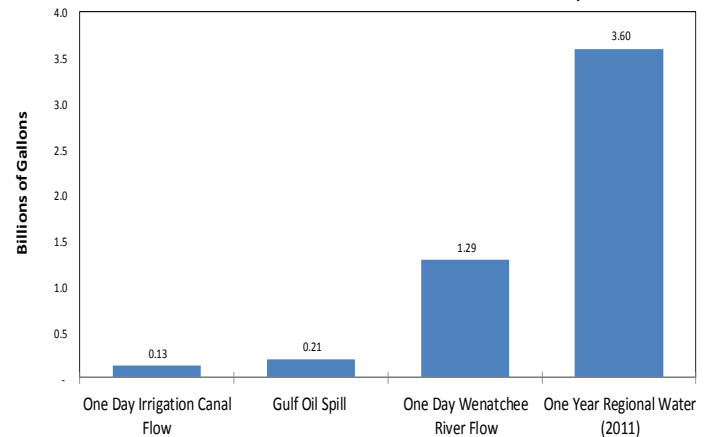
- Regional Water System Plan
- Reservoir irrigation system rehab
- Jefferson pump station improvements
- Replaced motor on well pump #1
- Water rights purchase—purchased 300 acre/ft which is enough to supply 700 homes

### 2012 Projects

- Backup source analysis
- Purchase additional water rights

### How Much Water is Pumped Every Year from our Domestic Water Wells to Provide Everyone in the Valley with Water?

Answer: Over 3.6 Billion Gallons! How does that stack up?



**Did you know** in 2011, the 30 year Regional construction bonds were paid off.

**Regional Water  
current replacement value:  
\$28,276,000**



These pictures from the regional construction project. They show the 30 inch ductile iron pipe encased in concrete crossing under the Wenatchee River.

This work was done in the Fall of 1979.



## STORMWATER UTILITY ...

The stormwater utility is a system of catch basins, manholes and pipes that transport rainwater and snowmelt from City streets to the Columbia River. The goals of the stormwater utility are to provide urban storm control, to protect property and to improve the quality of the stormwater discharged. This is done by maintaining the stormwater system and replacing or upgrading areas that need improvements to handle the runoff better. Ongoing maintenance includes cleaning catch basins, cleaning the main lines and street sweeping to reduce the amount of debris that enters the system.

The stormwater utility does not have employees who dedicate 100% of their time to the system. The employees who primarily perform maintenance on the system also spend their time working in the water utility or the street division. The stormwater utility is also supported by the environmental and the engineering divisions. Our employees take pride in working to preserve the quality of our local rivers.

The City's stormwater system is currently operating under the Eastern Washington Phase II Municipal Stormwater Permit issued by the Department of Ecology. A new permit is expected to be issued in 2012.



### Stormwater Program Elements Required by the Permit:

- Public Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction and Post-Construction Stormwater Management for New Development and Redevelopment
- Pollution Prevention and Good Housekeeping for Municipal Operations
- Total Maximum Daily Load Requirements (This refers to requirements in water clean-up plans for polluted water bodies)



*The stormwater Vector truck was outfitted with a laptop and GPS capabilities to assist with tracking maintenance of the storm system.*

*In 2011 the crew inspected 1,287 structures, out of those 374 structures required cleaning.*

*Before and After pictures of No. 1 Canyon Drain - flowing better after the bushes were trimmed back*



### Did you know ...

**The stormwater system is comprised of:**

- 388,000 feet of main lines
- 92,420 feet of laterals
- 3,922 catch basins / curb inlets
- 1,710 manholes

**Stormwater Utility Replacement Value:  
\$ 97,466,000**

### Canyon Drains:

This year the City provided education and outreach to citizens who live along the canyon drains. This was in response to the concerns regarding flooding and property damage following the rainstorm on July 28, 2010. The three canyon drains that affect Wenatchee are No. 1 Canyon, No. 2 Canyon and Dry Gulch. They drain through approximately 246 private properties within the City of Wenatchee. These drainages are separate from the City's storm drain system and are to be maintained by the property owner. The most common maintenance problems were overgrown vegetation, debris and yard waste disposed in the ditch and permanent structures that altered or reduced the flow.

## THANK YOU FOR YOUR SUPPORT!

2011  
City of Wenatchee

Mayor

Dennis Johnson

City Council

Jim Bailey  
Carolyn Case  
Don Gurnard  
Mark Kulaas  
Doug Miller  
Karen Rutherford  
Tony Veeder



2012  
City of Wenatchee

Mayor

Frank Kuntz

City Council

Jim Bailey  
Bryan Campbell  
Linda Herald  
Mark Kulaas  
Doug Miller  
Karen Rutherford  
Tony Veeder

**Public Services Center**  
1350 McKittrick St.  
PO Box 519  
Wenatchee, WA 98807

Phone (509) 888-3200  
Fax (509) 888-3201  
[www.WenatcheeWa.gov](http://www.WenatcheeWa.gov)

*The Administration  
would like to say "thank  
you" to the staff, to the  
elected officials, and the  
community for your  
ongoing support.*

### PSC Administration



*Ruta Jones, Dan Frazier, Steve King, Don Files*

## SHOWCASING OUR CITY



*Our Heroes Wear Dirt—the competitors and judges at the fall rodeo*

### Equipment Rodeo

The Washington Chapter of APWA (American Public Works Association) held its First Annual Equipment Rodeo at the Fall conference in Yakima. The event showcased equipment operators with a Dump Truck Event and a Loader Event, both were judged on skill and speed. The City's Mechanic Supervisor, Don Bitterman is a member of the subcommittee who organized the event. City Employees Bud Reister and James Frost volunteered their time to participate in the qualifying event held here in town this summer but unfortunately did not score high enough to advance to the final round in Yakima. Ruta Jones and Alisa Clardy served as judges for the Rodeo in Yakima. The APWA Maintenance Committee is working on organizing Rodeos to be held at future fall conferences.



### Tire Disposal Grant

Last year during our annual Recycle event we recycled 1,850 tires from residents. This sparked an interest in adding it to our annual event once again. A grant from the Department of Ecology (DOE) was obtained for \$13,000.00 for disposal of waste tires in Wenatchee. The program will allow tires to be dropped off at our recycle event on March 31, 2012 and allow tire coupons to be handed out to City of Wenatchee residents for disposal of tires at Les Schwab for the remainder of the Grant funds.